



Red Hat Sovereign / Private Cloud Migration Services

Contracting body

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CGI

Table of contents

1.	Service Description	4
1.1.	People	4
1.2.	Process	4
1.3.	Technology	4
1.4.	Deliverables	5
2.	Data backup and restore	5
3.	Service Continuity	5
4.	Onboarding and Offboarding	5
4.1.	Onboarding	5
4.2.	Offboarding	5
5.	Service constraints	5
6.	Service levels	6
7.	After sales support	6
8.	Technical requirements	6
9.	Outage and maintenance management	6
10.	Hosting options and locations	6
11.	Security	6
12.	Service Pricing and Terms and Conditions	6
12.1.	Pricing	6
12.2.	Terms and Conditions	7
13.	Further information	7
	PROPRIETARY AND CONFIDENTIAL	8

Service Definition overview

CGI's Sovereign / Private Cloud Migration Service provides hands-on consultancy to support the secure, controlled migration of workloads, data, and operational processes from existing platforms to sovereign, private, or restricted cloud environments. This includes support for migrations onto buyer-owned platforms leveraging Red Hat technologies such as OpenShift, OpenShift Virtualisation, Ansible Automation Platform, and Infrastructure-as-Code tooling (e.g., Terraform) where appropriate. The service ensures that sovereignty, data residency, RBAC boundaries, operational jurisdiction and compliance requirements are embedded throughout the migration journey. CGI provides architecture, planning, migration execution guidance, and operational enablement within buyer-owned environments.

Why CGI?

CGI has extensive experience delivering complex, security-sensitive cloud transformation and modernisation for Defence, Policing, Health, and wider Government – where sovereignty, data control, and regulatory compliance are critical. Our UK-based, security-cleared teams combine deep expertise in private cloud engineering, secure automation, DevSecOps, and organisational operating model design. CGI's global partnership with Red Hat allows us to support open, portable, sovereign architectures while ensuring impartiality and technology-agnostic delivery. Our repeatable migration frameworks reduce risk, accelerate adoption, and secure long-term operational integrity.

1. Service Description

This consultancy service supports buyers in planning and executing the transition from current hosting environments (on-premises, VMware-based, hybrid cloud or vendor-operated environments) to ****sovereign or private cloud solutions****. These may include OpenShift-based private clouds, hardened OpenShift Virtualisation clusters, automation-led deployment platforms, or other secure, self-hosted environments selected by the buyer.

CGI does not host or manage any infrastructure — all work is performed within buyer-controlled environments. The service is structured using ****People, Process, and Technology****, ensuring secure, compliant, repeatable migration and operational uplift.

1.1. People

- CGI assesses and strengthens the human and organisational components essential to sovereign/private cloud operation:
- Define target operational roles aligned to DDaT (e.g., Platform Engineer, Infrastructure Engineer, Security Architect, SRE).
- Support capability uplift in secure platform operations, automation, RBAC enforcement, and controlled-operations practices.
- Build buyer-side skills in Red Hat OpenShift, automation pipelines, and secure migration workflows.
- Establish operational segregation models (e.g., UK-only access, privileged role boundaries, administrative zoning).

1.2. Process

- CGI redefines and supports migration-critical processes including:
- Migration factory workflows for sovereign/private cloud.
- Secure onboarding, provisioning, and infrastructure lifecycle processes.
- Access control workflows (identity, RBAC, credential segregation).
- Governance structures compatible with NCSC Cloud Security Principles and applicable regulatory frameworks.
- Change, test, and cutover processes designed for highly sensitive environments.
- Compliance-centric processes for data residency, audit, logging, and supply chain control.

Where automation can enhance trust and repeatability, CGI may incorporate patterns referencing Red Hat Ansible Automation Platform or Terraform-based provisioning.

1.3. Technology

CGI provides technical consultancy and hands-on migration support for:

- Designing and validating private or sovereign target architectures (e.g., OpenShift clusters, OpenShift Virtualisation, air-gapped deployments).
- Preparing infrastructure (networking, security controls, compute, storage, observability).
- Migration planning for workloads, virtual machines, stateful services, data, and integration layers.
- Adoption of automation frameworks to ensure repeatable, secure deployments.
- Use of Red Hat-aligned tooling for migration where applicable and approved (e.g., Migration Toolkit for Applications / Virtualisation).
- Optimisation and hardening of the target platform in alignment with sovereign constraints.
- Establishing IaC for future-proofed ownership and operational independence.

CGI operates strictly within buyer environments and does not provide hosting or managed services.

1.4. Deliverables

The migration service typically delivers:

- Target-state sovereign/private cloud architecture (conceptual + high-level).
- Sovereign migration strategy, plan, and wave schedule.
- Secure migration runbooks, cutover processes, and rollback procedures.
- Terraform/Ansible patterns (buyer-owned) where applicable.
- Updated operational playbooks and RBAC/identity models.
- Platform hardening guidance (aligned to NCSC principles).
- Post-migration optimisation recommendations.
- Executive summary and progress reports.

2. Data backup and restore

Not applicable – consultancy service. CGI does not host or operate any system. We may review backup strategies for sovereign/private environments and advise on gaps.

3. Service Continuity

Consultancy only. CGI provides resource substitution and rescheduling to maintain continuity of advisory delivery. Continuity of the buyer's environment and DR posture remains the buyer's responsibility.

4. Onboarding and Offboarding

4.1. Onboarding

- Kick-off session and scoping.
- Agreement of sovereign boundary conditions and compliance requirements.
- Access enablement (documentation, architecture, SMEs).
- Scheduling of workshops and technical discovery.

4.2. Offboarding

- Delivery of all artefacts, runbooks, patterns, diagrams, and roadmap materials.
- Knowledge transfer and operational readiness playback.
- Return of all client data and secure deletion of temporary working material.

4.2.1. Access to data upon exit

All data collected or generated is returned to the buyer. CGI retains no information beyond contract closure.

5. Service constraints

- Advisory and migration support only; no hosting or managed operations.
- Buyer must provide required SME availability, documentation, and environment access.
- All migration execution must occur within buyer-controlled infrastructure.
- Sovereign restrictions may limit automation or require additional security reviews.
- Out-of-hours migration scheduling requires separate agreement.
- Change control applies to scope, workloads, and tooling assumptions.

6. Service levels

- Response to queries within two working days.
- Deliverables produced according to mutually agreed timelines.
- Weekly progress reporting (or alternative cadence as agreed).
- Migration schedules are indicative and depend on buyer environment readiness.

7. After sales support

A 30-day clarification window is provided following delivery, including Q&A, updates to artefacts where appropriate, and one follow-up playback. Ongoing sovereign/private cloud engineering or further migration support is available under separate G-Cloud services.

8. Technical requirements

The buyer must provide:

- Approved access to source and target environments.
- Architecture diagrams, operational procedures, and security policies.
- Data classification and residency requirements.
- RBAC and identity governance models.
- Compliance requirements and regulatory obligations.
- Named SMEs across security, networking, operations, and application areas.

9. Outage and maintenance management

Not applicable – consultancy service.

All migration activity is scheduled collaboratively with the buyer to avoid operational impact.

10. Hosting options and locations

Not applicable – no hosting is provided.

All work is performed in buyer-owned environments. CGI delivery is UK-based by default.

11. Security

CGI follows UK Government security standards and applies strict handling of sensitive data. Personnel hold appropriate clearances where required. Access is time-bounded and least-privilege. All client materials are deleted at project completion.

12. Service Pricing and Terms and Conditions

12.1. Pricing

Please refer to the G-Cloud 15 portal for the rates available.

12.2. Terms and Conditions

Please refer to the associated Terms and Conditions Document relevant for this Service including termination by the Buyer or Supplier.

13. Further information

For more information about this or any of our G-Cloud services, please contact us:

Phone: +44 0845 070 7765. Ask to speak to the G-Cloud team.

Email: uk.gen.ccsframeworks@cgi.com, including the following information:

1. The name of this service.
2. The name of your organisation.
3. Your name and contact details.
4. A brief description of your business situation.
5. Your preferred timescales for starting the work.

We will prepare a quotation for you. Once the quotation is agreed upon, we will issue you the necessary documentation (as required by the G-Cloud Framework) and ask you to provide us with a purchase order.

Once we have received your purchase order, the services will be configured to the requirements agreed with invoices issued to you for the services procured.

On a monthly basis, we will also complete the mandated management information reports to Government Procurement.

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The information in this proposal is submitted on 30 Jan 2026 - Issue 1.0 on behalf of CGI by the following authorised representative:

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